

ZONE 1,21 & 2,22



EXF400LED





EX MARKING:

II 2G Ex eb mb op is IIC T5 Gb
II 2D Ex tb op is IIC T85°C Db

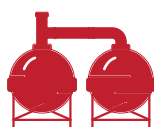
CERTIFICATES:

JSHP 22 ATEX 0022X

EXEMPLARY APPLICATIONS



REFINERIES

FUEL
TANKSCHEMICAL
PLANTSCHEMICAL
WAREHOUSESPASSAGEWAYS
IN EX ZONES

Explosionproof light fitting with **LED modules**. Designed to work in the zone **1.21 & 2.22** of the explosion hazard of gases, vapors and mists of flammable liquids with air, as well as of flammable dusts and fibers. The housing is made of aluminum and the diffuser is made of polycarbonate or tempered glass. Bracket made of stainless steel.

Optional version with **DALI** control system.

FEATURES



MECHANICAL PARAMETERS

	housing	anodized aluminum
	diffuser	tempered glass, polycarbonate
	ingress protection	IP66 / IP67
	protection class	I
	mounting	different mountings <i>check: mountings</i>
	accessibility	revision cover

ELECTRICAL PARAMETERS

2,5 mm²110-254V, 50-60Hz
220-250V, 0Hz
or 220-240V 0,50-60Hzintrinsically safe
LED modules

>0,95

Ø20 or Ø25

1kV (L-N)
2 kV (L-PE)connection
terminalsinput
voltagelight
sourcepower
factorcable
inletsovervoltage
protection

WORK PARAMETERS

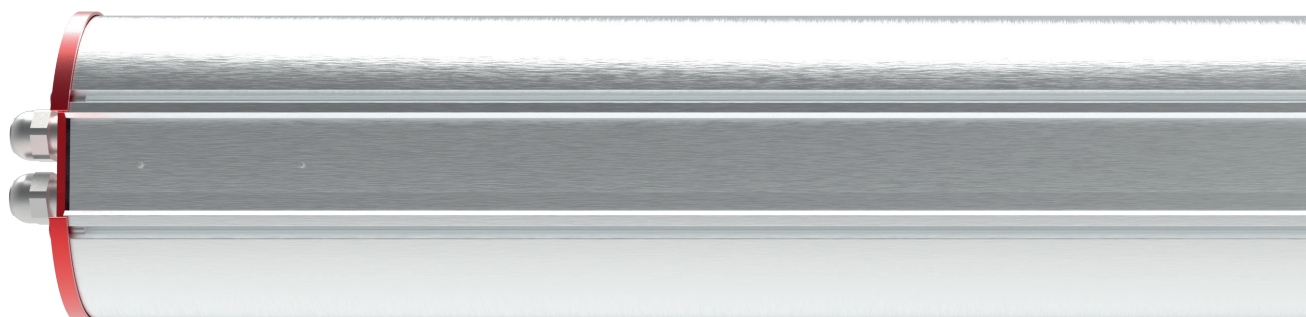
	ambient temperature	-40°C to +55°C
	lifetime	>70.000h L ₈₀ B ₁₀

PHOTOMETRICAL PARAMETERS

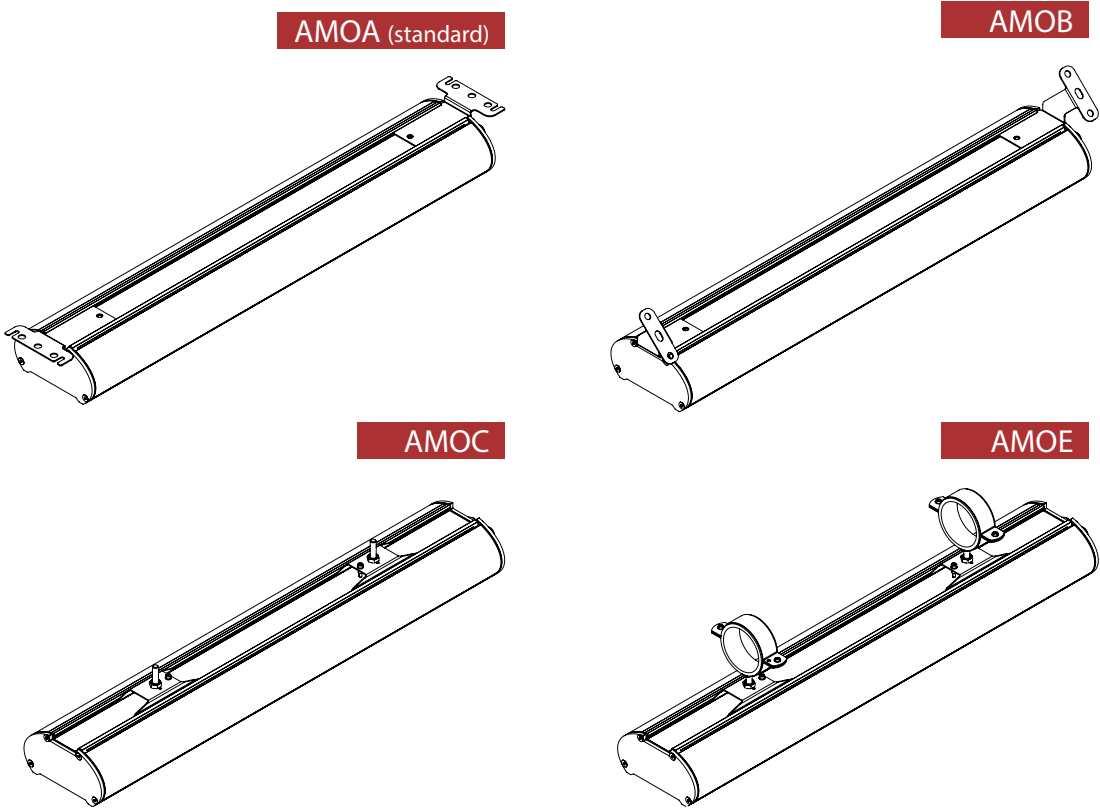
>80

4000K
6500K - *option*

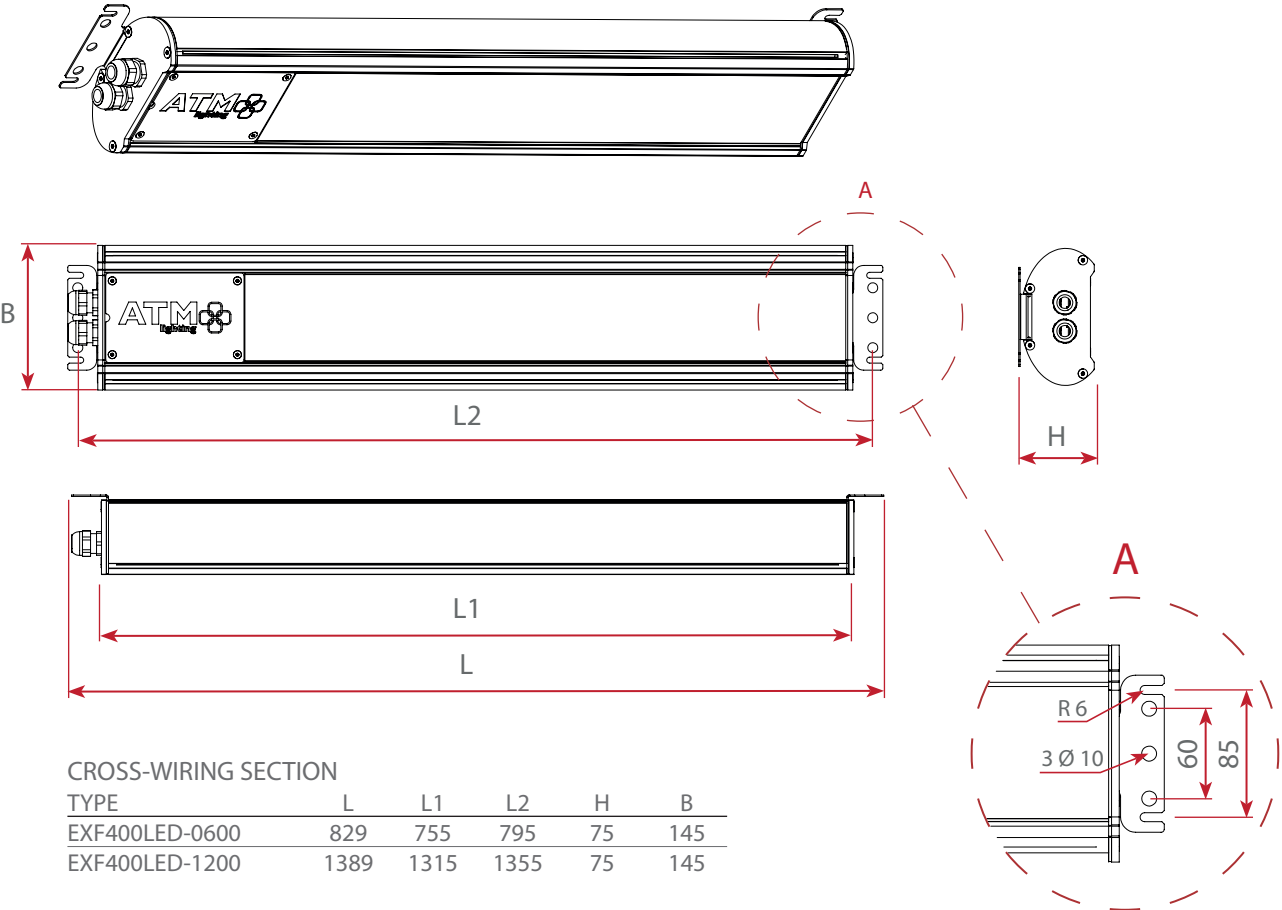
CRI

colour
temperature

MOUNTINGS



DIMENSIONS



TYPES COMPARISON

Power supply 220-240V, 0/50-60Hz (35E)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMBIENT TEMPERATURE [°C]
EXF400LED-0600-FB1-1	2022	15,7	129	- 40 ÷ + 55°C
EXF400LED-0600-FB1-2	2427	18,5	131	- 40 ÷ + 55°C
EXF400LED-0600-FB1-3	2831	21,3	133	- 40 ÷ + 55°C
EXF400LED-0600-FB2-1	3827	29,5	130	- 40 ÷ + 55°C
EXF400LED-0600-FB2-2	4593	34,9	132	- 40 ÷ + 55°C
EXF400LED-0600-FB2-3	5358	40,5	132	- 40 ÷ + 55°C
EXF400LED-1200-FB2-1	4036	29,7	136	- 40 ÷ + 55°C
EXF400LED-1200-FB2-2	4844	35,1	138	- 40 ÷ + 55°C
EXF400LED-1200-FB2-3	5651	40,7	139	- 40 ÷ + 55°C
EXF400LED-1200-FB4-1	7625	57,5	133	- 40 ÷ + 55°C
EXF400LED-1200-FB4-2	9150	68,0	135	- 40 ÷ + 55°C
EXF400LED-1200-FB4-3	10675	79,7	134	- 40 ÷ + 55°C

Power supply 110-254V, 50-60Hz; 220-250V 0Hz (25E)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMBIENT TEMPERATURE [°C]
EXF400LED-0600-FB1	2993	25,0	120	- 40 ÷ + 55°C
EXF400LED-0600-FB2	5664	45,0	126	- 40 ÷ + 55°C
EXF400LED-1200-FB2	5974	45,0	133	- 40 ÷ + 55°C
EXF400LED-1200-FB4	11285	89,9	126	- 40 ÷ + 55°C



Luminous flux tolerance +/- 10%
Power tolerance +/- 10%

The parameters given in the following data sheet has been determined for the temperature $T_a=25^{\circ}\text{C}$.

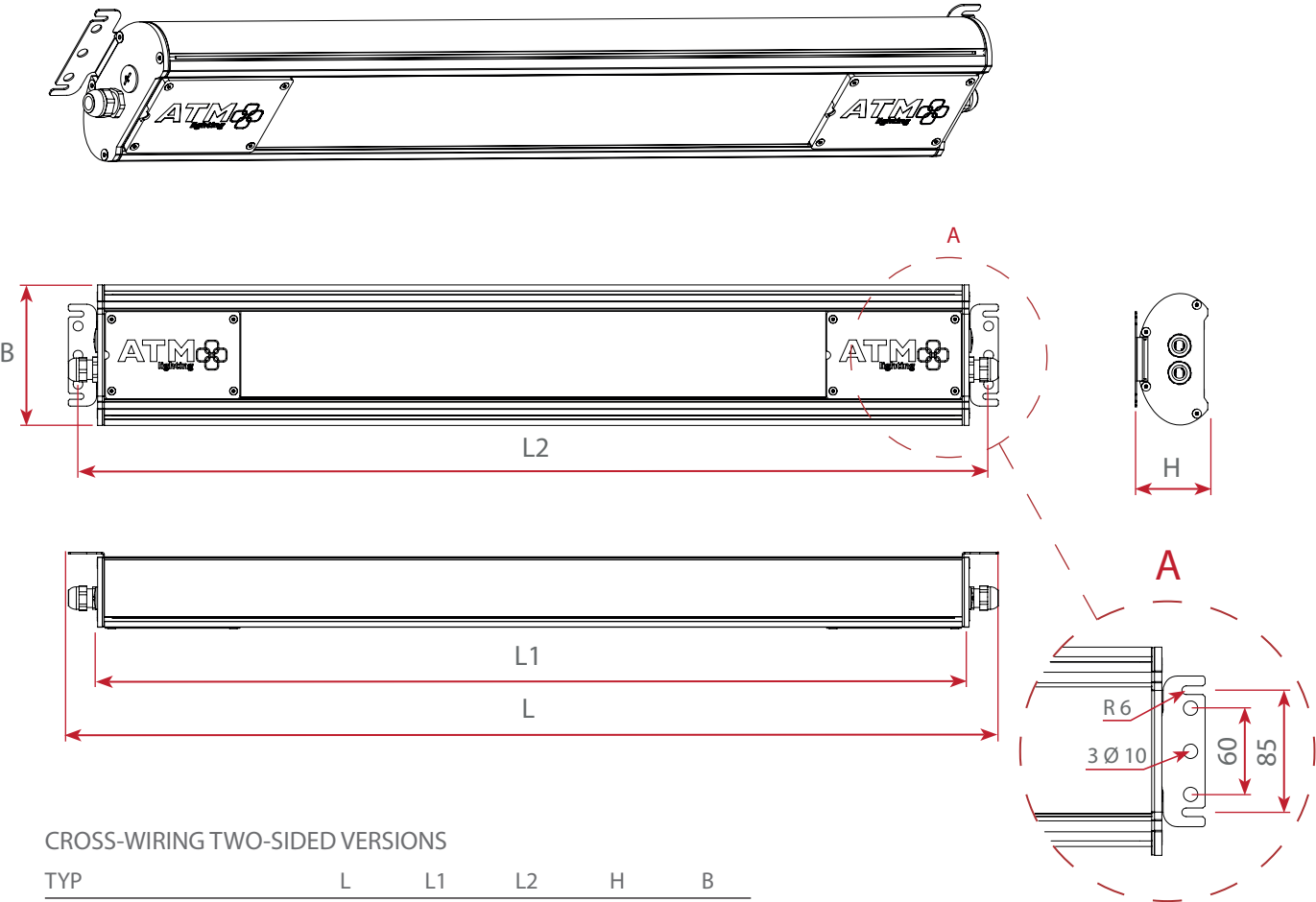
Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2005, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website www.atmlighting.pl



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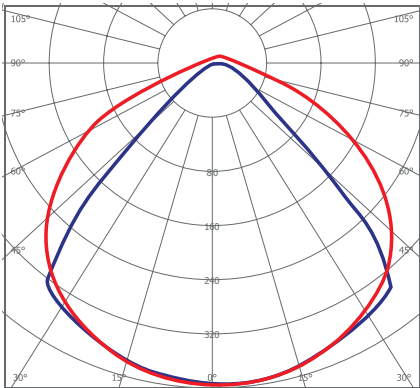
TWO-SIDED VERSIONS



CROSS-WIRING TWO-SIDED VERSIONS

TYP	L	L1	L2	H	B
EXF400LED-0600	954	895	920	75	145
EXF400LED-1200	1514	1455	1480	75	145

PHOTOMETRY



CONFIGURATIONS

E X F 4 0 0 L E D -										- FB -		- E -		- ALU -		- GL -		- ZB -		- AMOA -				
group explosionproof light fittings type type 400 source of light LED modules approximate length ~ 600mm, 1200mm LED modules type LED modules quantity driving version power supply 25E - 110-254 50-60Hz, 220-240 0Hz 35E - 230V, 0/50÷60Hz wiring 30 - single 3-pole terminal → 3 33 - double 3-pole terminal → 3 3 40 - single 4-pole terminal → 4 44 - double 4-pole terminal → 4 4 50 - single 5-pole terminal → 5 55 - double 5-pole terminal → 5 5 60 - single 6-pole terminal → 6 66 - double 6-pole terminal → 6 6 70 - single 7-pole terminal → 7 77 - double 7-pole terminal → 7 7 cable inlets - quantity 10 - 1 cable inlet on the one side of the housing → 1 0 11 - 1 cable inlet on each side of the housing → 1 1 20 - 2 cable inlets on the one side of the housing → 2 0 21 - 2 cable inlets on the one side of the housing and 1 on the another → 2 1 22 - 2 cable inlets on each side of the housing → 2 2 cable inlets - material M - metal P - plastic cable inlets - size 20 - Ø20 25 - Ø25 housing material ALU - anodised material diffuser material GL - tempered glass PC - polycarbonate emergency versions ZB - version with driver for central battery DA - version equipped with integrated power supply unit mounting										0	6	0	0	1	1	2	5	30	10	M	25	GL	ZB	AMOA
										1	2	0	0	2	2	3	33	11	P	25	PC	DA	AMOB	
										4	3	40	20			AMOC								
												44	21			AMOE								
												50	22											
												55												
												60												
												66												
												70												
												77												

ADDITIONAL INFORMATION



Optional DA version of the light fitting is equipped with an integrated power supply unit with DALI interface, which allows to control parameters of lighting - depending on data from motion sensors or BIM settings. Properly configured lighting control system can significantly reduce costs of energy and improve the ergonomics of users.

DOWNLOADS

